Anti-Human APP Antibody (HRP) [K70013_6H1]

Catalog No. K70013C06H01H

Overview

Product name: Anti-Human APP Antibody (HRP) [K70013_6H1]
Antibody specificity: Amyloid beta precursor protein (APP)
Species reactivity: Human
Clonality: Monoclonal
Clone number: K70013_6H1
Host / isotype: Mouse / IgG2a
Immunogen: Human amyloid beta precursor peptide

Cross reactivity: K70013_6H1 and K70013_5A2 antibody pair does not cross-react with human beta amyloid 1-42. K70013_6H1 and K92011_16F4 antibody pair does not cross-react with human beta amyloid 1-40.

Form: Liquid
Concentration: 1 mg/mL in phosphate buffered saline containing 0.01% preservative
Conjugation: Conjugated with peroxidase
Shipping, storage and shelf life: Shipped at ambient temperature. Avoid repeated freeze-thaw cycles.
   * 3 months when stored at 2 to 8 °C
   * 1 year when aliquoted and stored at -20 °C
   * 3 years when aliquoted and stored at -80 °C

Applications

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<td>3 µg/mL</td>
<td>Peroxidase conjugated K70013_6H1 can pair with K70013_5A2 for sandwich ELISA. K70013_5A2 is used as the capture antibody.</td>
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Applications note: * The applications above have already been verified. The antibody may be suitable for additional applications. * Optimal antibody concentrations for each application should be determined by the user.

Additional information

Target antigen

Protein name: Amyloid beta precursor protein
Gene name: APP
UniProt Accession: P05067
Organism: Homo sapiens (Human)
K70013_6H1 may pair with K70013_5A2, K70013_1G7, K70013_5G5, K70013_8C12, K70013_12F9, K70013_15G11, K70013_12A1, K70013_4C4, K70013_12B3, K70013_3E12, K70013_15B6, K70013_4H4, K70013_6G10, K70014_11H4, K70014_13C4, K70014_13C11, K92011_3F10, K92011_3H7, K92011_4E9, K92011_10A4, K92011_10D7, K92011_11F9, K92011_12H3, K92011_15D12, K92011_16F4, K92011_1C10, K92011_1D2, K92011_2D12, K92011_4G8, K92011_8C4, K92011_12G3, K92011_12H10, K92011_13F10 and K92011_16G8 for sandwich based immune assays.

Paired antibody information
**Product data**

**Sandwich ELISA**

Microtiter wells were coated with K70013_5A2 at 3 µg/mL as the capture antibody. Synthetic peptide corresponding to amino acids 1-40 of human beta amyloid (Cat. P00124EE) was used as the antigen. Peroxidase conjugated mouse anti-human beta amyloid 1-40 monoclonal antibody (K70013_6H1) was used as the detection antibody.

Result: K70013_5A2 and K70013_6H1 can be used as a matched antibody pair to detect and quantify the concentration of human beta amyloid 1-40.

**Sandwich ELISA**

Microtiter wells were coated with K92011_16F4 at 3 µg/mL as the capture antibody. Synthetic peptide corresponding to amino acids 1-42 of human beta amyloid was used as the antigen. Peroxidase conjugated mouse anti-human beta amyloid 1-42 monoclonal antibody (K70013_6H1) was used as the detection antibody.

Result: K92011_16F4 and K70013_6H1 can be used as a matched antibody pair to detect and quantify the concentration of human beta amyloid 1-42.

**Cross reactivity**

Microtiter wells were coated with K70013_5A2 at 3 µg/mL as the capture antibody. Synthetic peptide corresponding to amino acids 1-40 of human beta amyloid and synthetic peptide corresponding to amino acids 1-42 of human beta amyloid were used as the antigen. K70013_6H1 was used as the detection antibody.

Result: K70013_6H1 and K70013_5A2 antibody pair does not cross-react with human beta amyloid 1-42.

**Cross reactivity**

Microtiter wells were coated with K92011_16F4 at 3 µg/mL as the capture antibody. Synthetic peptide corresponding to amino acids 1-40 of human beta amyloid and synthetic peptide corresponding to amino acids 1-42 of human beta amyloid were used as the antigen. K70013_6H1 was used as the detection antibody.

Result: K70013_6H1 and K92011_16F4 antibody pair does not cross-react with human beta amyloid 1-40.